

Title (en)

Fine acicular alpha-ferric oxide and production thereof.

Title (de)

Feinteilige nadelförmige alpha-Eisen-III-oxide und Herstellungsverfahren.

Title (fr)

D'oxyde ferrique alpha aciculaire et procédé de fabrication.

Publication

EP 0667607 A1 19950816 (EN)

Application

EP 94120879 A 19941229

Priority

- JP 35500393 A 19931230
- JP 1758694 A 19940214

Abstract (en)

Disclosed herein is fine acicular alpha -ferric oxide which has the crystallite diameter (D1014) in the direction perpendicular to the (1014) plane and the crystallite diameter (D1120) in the direction perpendicular to the (1120) plane such that their ratio D1014/D1120 is in the range of 1-2, and also has a specific surface area of 40-50 m²/g. Disclosed also herein is fine acicular alpha -ferric oxide which has the crystallite diameter (D1014) in the direction perpendicular to the (1014) plane and the crystallite diameter (D1120) in the direction perpendicular to the (1120) plane such that their ratio D1014/D1120 is in the range of 1-2, and also has an average aspect ratio of 10-15 and a specific surface area of 20-40 m²/g. They are produced by wet process including the step of hydrothermal reaction.

IPC 1-7

G11B 5/708; C01G 49/06; G11B 5/706

IPC 8 full level

C01G 49/06 (2006.01); **G11B 5/706** (2006.01); **G11B 5/708** (2006.01)

CPC (source: EP US)

C01G 49/06 (2013.01 - EP US); **G11B 5/70615** (2013.01 - EP US); **G11B 5/70642** (2013.01 - EP US); **G11B 5/708** (2013.01 - EP US); **C01P 2002/10** (2013.01 - EP US); **C01P 2002/70** (2013.01 - EP US); **C01P 2004/03** (2013.01 - EP US); **C01P 2004/10** (2013.01 - EP US); **C01P 2004/54** (2013.01 - EP US); **C01P 2004/62** (2013.01 - EP US); **C01P 2006/12** (2013.01 - EP US); **C01P 2006/42** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0667607 A1 19950816; **EP 0667607 B1 20010307**; **EP 0667607 B9 20021016**; DE 69426813 D1 20010412; DE 69426813 T2 20010927; US 5569445 A 19961029

DOCDB simple family (application)

EP 94120879 A 19941229; DE 69426813 T 19941229; US 36820394 A 19941229